# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Serial No.

09/890,779

Examiner

To Be Assigned

Filed

August 6, 2001

Group Art Unit:

1646

For

A METHOD FOR INHIBITING THE EXPRESSION OF

TARGET GENES

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

September 26, 2003

Date of Deposit

Rochelle K. Seide

Attorney Name

Signature

<u>32,30</u>0

PTO Registration No.

September 26, 2003 Date of Signature

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

In supplement to the Information Disclosure Statement submitted on September 21, 2001 in the above-captioned application and pursuant to the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants respectfully request that the additional publications relating to the above-mentioned application listed herein and on the accompanying PTO Form 1449 be considered by the Examiner and made of record in the U.S. Patent and Trademark Office.

- U.S. Patent No. 5,907,081 to Isaac et al. entitled "Control of Plant Abscission and Pod Dehiscence," issued May 25, 1999.
- 2. Ahmad KF, Engel CK, Prive GG (1998). Crystal structure of the BTB domain from PLZF. *Proc Natl Acad Sci USA* 95(21):12123-12128.
- 3. Hardtke CS, Berleth T (1998). The Arabidopsis gene MONOPTEROS encodes a transcription factor mediating embryo axis formation and vascular development. EMBO J 17(5):1405-1411.
- Huynh KD, Bardwell VJ (1998). The BCL-6 POZ domain and other POZ domains interact with the co-repressors N-CoR and SMRT. Oncogene 17(19):2473-2484.
- 5. Salter MG, Paine JA, Riddell KV, Jepson I, Greenland AJ, Caddick MX, Tomsett AB (1998). Characterisation of the ethanoil-inducible *alc* gene expression system for transgenic plants. *Plant J* 16:127-132.
- Tamagnone L, Merida A, Parr A, Mackay S, Culianez-Macia FA, Roberts K, Martin C (1998). The AmMYB308 and AmMYB330 transcription factors from antirrhinum regulate phenylpropanoid and lignin biosynthesis in transgenic tobacco. *Plant Cell* 10(2):135-154.
- 7. Thiel G, Lietz M, Cramer M (1998). Biological activity and modular structure of RE-1-silencing transcription factor (REST), a repressor of neuronal genes. *J Biol Chem* 273(41):26891-26899.

- 8. Tolkunova EN, Fujoka M, Kobayashi M, Deka D, Jaynes JB (1998). Two distinct types of repression domain in engrailed: one interacts with the groucho corepressor and is preferentially active on integrated target genes.

  \*Mol Cell Biol 18(5):2804-2814.
- International Application No. PCT/GB96/03191 by Gene Shears entitled "DNA Sequences Coding For A Protein Conferring Males Sterility," published as WO97/23618 on 3 July 1997.
- 10. Bürglin TR (1997). Analysis of TALE superclass homeobox genes (MEIS, PBC, KNOX, Iroquois, TGIF) reveals a novel domain conserved between plants and animals. *Nucleic Acids Res* 25(21):4173-4180.
- 11. Martin C, Paz-Ares J (1997). MYB transcription factors in plants. *Trends*Genet 13(2):67-73.
- Moosmann P, Georgiev O, Thiesen HJ, Hagmann M, Schaffner W (1997).
  Silencing of RNA polymerases II and III-dependent transcription by the
  KRAB protein domain of KOX1, a Kruppel-type zinc finger factor. Biol
  Chem 378(7):669-677.
- 13. U.S. Patent No. 5,689,044 to Ryals *et al.* entitled "Chemically Inducible Promoter of a Plant PR-1 Gene," issued November 18, 1997.
- 14. Sessions A, Nemhauser JL, McColl A, Roe JL, Feldmann KA, Zambryski PC (1997). *ETTIN* patterns the *Arabidopsis* floral meristem and reproductive organs. *Development* 124(22):4481-4491.

- 15. Ulmasov T, Hagen G, Guilfoyle TJ (1997). ARF1, a transcription factor that binds to auxin response elements. Science 276(5320):1865-1868.
- 16. Conlon FL, Sedgwick SG, Weston KM, Smith JC (1996). Inhibition of Xbra transcription activation causes defects in mesodermal patterning and reveals autoregulation of Xbra in dorsal mesoderm. Development 122(8):2427-2435.
- 17. Friedmann JR, Fredericks WJ, Jensen DE, Speicher DW, Huang XP, Neilson EG, Rauscher FJ III (1996). KAP-1, a novel corepressor for the highly conserved KRAB repression domain. *Genes Dev* 10:2067-2078.
- 18. Ishida Y, Saito H, Ohta S, Hiei Y, Komari T, Kumashiro T (1996). High efficiency transformation of maize (Zea mays L.) mediated by Agrobacterium tumefaciens. Nat Biotechnol 14(6):745-750.
- 19. Simon R, Igeno MI, Coupland G (1996). Activation of floral meristem identity genes in Arabidopsis. *Nature* 384(6604):59-62.
- 20. Smith ST, Jaynes JB (1996). A conserved region of engrailed, shared among all en-, gsc-, Nk1-, Nk2- and msh-class homeoproteins, mediates active transcriptional repression in vivo. Development 122(10):3141-3150.
- Überlacker B, Werr W (1996). Vectors with rare-cutter restriction enzyme sites for expression of open reading frames in transgenic plants. Molecular Breeding 2:293-295.

- 22. John A, Smith ST, Jaynes JB (1995). Inserting the Ftz homeodomain into engrailed creates a dominant transcriptional repressor that specifically turns off Ftz target genes in vivo. Development 121(6):1801-1813.
- 23. Ni M, Cui D, Einstein J, Narasimhulu S, Vergara CE, Gelvin SB (1995).
  Strength and tissue specificity of chimeric promoters derived from the octopine and mannopine synthase genes. *Plant J* 7:661-676.
- 24. Vos P, Hogers R, Bleeker M, Reijans M, van de Lee T, Hornes M, Frijters A, Pot J, Peleman J, Kuiper M, et al. (1995). AFLP: a new technique for DNA fingerprinting. Nucleic Acids Res 23(21):4407-4414.
- 25. International Patent Application No. PCT/FR94/00316 by ELF Sanofi and ELF Aquitane entitled "Plant Promoter, Microorganisms And Plant Cells Containing A Unit For the Expression of a Protein of Interest Comprising Said Promoter," published as WO94/21793 on 29 September 1994.
- 26. Dennehey BK, Petersen WL, Ford-Santino C, Pajeau M, Armstrong CL (1994). Comparison of selective agents for use with the selectable marker gene bar in maize transformation. Plant Cell Tissue and Organ Culture 36:1-7.
- 27. European Patent Application No. EP 0 692 030 entitled "Control of Plant Abscission and Pod Dehiscence," corresponding to International Application No. PCT/GB94/00689, published as WO94/23043 on October 13, 1994.

- 28. Flavell RB (1994). Inactivation of gene expression in plants as a consequence of specific sequence duplication. *Proc Natl Acad Sci USA* 97(9):3490-3496.
- 29. International Application No. PCT/GB94/00689 by Nickerson Biocem Ltd. entitled "Control of Plant Abscission and Pod Dehiscence," and published as WO94/23043 on October 13, 1994.
- 30. Kerstetter R, Vollbrecht E, Lowe B, Veit B, Yamaguchi J, Hake S (1994). Sequence analysis and expression patterns divide the maize *knotted1*-like homeobox genes into two classes. *Plant Cell* 6(12):1877-1887.
- 31. Lloyd AM, Schena M, Walbot V, Davis RW (1994). Epidermal cell fate determination in *Arabidopsis*: patterns defined by a steroid-inducible regulator. *Science* 266(5184):436-439.
- 32. Witzgall R, O'Leary E, Leaf A, Onaldi D, Bonventre JV (1994). The Kruppel-associated box-A (KRAB-A) domain of zinc finger proteins mediates transcriptional repression. *Proc Natl Acad Sci USA* 91(10):4514-4518.
- 33. International Patent Application No. PCT/GB92/01354 by Nickerson Biocem entitled "Callase-Related DNAs and Their Use In Artificial Male Sterility," published as WO93/02197 on 4 February 1993.

- 34. Bechtold N, Ellis J, Pelletier G (1993). In planta Agrobacterium mediated gene transfer by infiltration of adult Arabidopsis thaliana plants. C.R. Acad Science 316:1194-1199.
- 35. Gaubier P, Raynal M, Hull G, Huestis GM, Grellet F, Arenas C, Pages M, Delseny M (1993). Two different Em-like genes are expressed in Arabidopsis thaliana seeds during maturation. Mol Gen Genet 238(3):409-418.
- 36. Han K, Manley JL (1993). Functional domains of the Drosophila Engrailed protein. *EMBO J* 12(7):2723-2733.
- 37. Liang P, Averboukh L, Pardee AB (1993). Distribution and cloning of eukaryotic mRNAs by means of differential display: refinements and optimization. Nucleic Acids Res 21(14):3269-3275.
- 38. International Patent Application No. PCT/GB91/02317 by Nickerson International Seed Company entitled "Tapetum-Specific Promoters From Brassicaceae SPP," published as WO92/11379 on 9 July 1992.
- 39. Jack T, Brockman LL, Meyerowitz EM (1992). The homeotic gene APETALA3 of Arabidopsis thaliana encodes a MADS box and is expressed in petals and stamens. *Cell* 68(4):683-697.
- 40. Depigny-This D, Raynal M, Aspart L, Delseny M, Grellet F (1992). The cruciferin gene family in radish. *Plant Mol Biol* 20(3):467-479.

- 41. European Patent Application No. EP 0 475 584 A2 by Bowen et al. entitled "Inactivation of Gene Transcription in Plants Using Altered Transcriptional Activators," published on 18 March 1992.
- 42. Binet M-N, Lepetit M, Weil J-H, Tessier L-H (1991). Analysis of a sunflower polyubiquitin promoter by transient expression. *Plant Science* 79:87-94.
- 43. Martin C, Prescott A, Mackay S, Bartlett J, Vrijlandt E (1991). Control of anthocyanin biosynthesis in flowers of Antirrhinum majus. *Plant J* 1(1):37-49.
- 44. McElroy D, Blowers AD, Jenes B, Wu R (1991). Construction of expression vectors based on the rice actin 1 (Act1) 5' region for use in monocot transformation. *Mol Gen Genet* 231(1):150-160.
- 45. Schena M, Lloyd AM, Davis RW (1991). A steroid-inducible gene expression system for plant cells. *Proc Natl Acad Sci USA* 88(23):10421-10425.
- 46. International Patent Application No. PCT/US89/03536 by Calgene entitled "Plant Elongation Factor, Promoters, Coding Sequences and Uses," published as WO90/02172 on 8 March 1990.
- 47. U.S. Patent No. 4,943,674 by Houck et al. entitled "Fruit Specific Transcriptional Factors," issued July 24, 1990.

- 48. Reina M, Ponte I, Guillen P, Boronat A, Palau J (1990). Sequence analysis of a genomic clone encoding a Zc2 protein from Zea mays W64 A. Nucleic Acids Res 18(21):6426.
- 49. Schmidt RJ, Burr FA, Aukerman MJ, Burr B (1990). Maize regulatory gene opaque-2 encodes a protein with a "leucine-zipper" motif that binds to zein DNA. *Proc Natl Acad Sci USA* 87(1):46-50.
- 50. International Patent Application No. PCT/EP89/00495 by Plant Genetic Systems entitled "Plants With Modified Stamen Cells," published as WO89/10396 on 2 November 1989.
- 51. Anderson OD, Greene FC (1989). The characterization and comparative analysis of high-molecular-weight glutenin genes from genomes A and B of a hexaploid bread wheat. *T.A.G.* 77:689-700.
- 52. Axelos M, Bardet C, Liboz T, Le Van Thai A, Curie C, Lescure B (1989).

  The gene family encoding the Arabidopsis thaliana translation elongation factor EF-1 alpha: molecular cloning, characterization and expression.

  Mol Gen Genet 219(1-2):106-12.
- 53. Riggs CD, Hunt DC, Lin J, Chrispeels MJ (1989). Utilization of luciferase fusion genes to monitor differential regulation of phytohemagglutinin and phaseolin promoters in transgenic tobacco. Plant Science 63:47-57.

- Vain P, Yean H, Flament P (1989). Enhancement of production and regeneration of embryogenic type II callus in Zea mays L. by AgNO<sub>3</sub>.

  Plant Cell Tissue and Organ Culture 18:143-151.
- Vain P, Flament P, Soudain P (1989). Role of ethylene in enbryogenic callus initiation and regeneration in Zea mays L. Journal of Plant Physiology 135:537-540.
- 56. Sanford JC (1988). The biolistic process. *Trends in Biotechnology* <u>6</u>:299-302.
- 57. Jouanin L, Vilaine F, Tourneur J, Tourneur C, Pautot V, Muller JF, Caboche M (1987). Transfer of a 4.3-kb fragment of the TL-DNA of Agrobacterium rhizogenes strain A4 confers the pRi transformed phenotype to regenerated tobacco plants. Plant Sci 53:53-63.
- 58. Kay R, Chan A, Daly, M, McPherson J (1987). Duplication of CaMV 35S promoter sequences creates a strong enhancer for plant genes. *Science* 236:1299-1302.
- 59. Kuhlemeier C, Green PJ, Chua N-H (1987). Regulation of gene expression in higher plants. *Ann Rev Plant Physiol* 38:221-257.
- 60. Töpfer R, Matzeit V, Gronenborn B, Schell J, Steinbiss HH (1987). A set of plant expression vectors for transcriptional and translational fusions.

  Nucleic Acids Res 15(14):5890.

- 61. An G (1986). Development of plant promoter expression vectors and their use for analysis of differential activity of nopaline synthase promoter in transformed tobacco cells. *Plant Physiol* 81:86-91.
- 62. Fromm ME, Taylor LP, Walbot V (1986). Stable transformation of maize after gene transfer by electroporation. *Nature* 319(6056):791-793.
- 63. Poole SJ, Kauvar LM, Drees B, Kornberg T (1985). The *engrailed* locus of Drosophila: structural analysis of an embryonic transcript. *Cell* 40(1):37-43.
- 64. Bevan M (1984). Binary Agrobacterium vectors for plant transformation.

  Nucleic Acids Res 12(22):8711-8721.
- 65. Depicker A, Stachel S, Dhaese P, Zambryski P, Goodman HM (1982).
  Nopaline synthase: transcript mapping and DNA sequence. J Mol Appl
  Genet 1(6):561-573.
- 66. Krens FA, Molendijk L, Wullems GJ, Schilperoort RA (1982). In vitro transformation of plant protoplasts with Ti-plasmid DNA. Nature 296:72-74.
- 67. Franck A, Guilley H, Jonard G, Richards K, Hirth L (1980). Nucleotide sequence of cauliflower mosaic virus DNA. *Cell* 21(1):285-294.

The submission of this Supplemental Information Disclosure Statement does not represent that a search has been made or that no better art exists and does not constitute

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**PATENT** 

an admission that any of the listed documents are material or constitute "prior art." If the

Examiner applies any of the documents as prior art against any claim in the application

and Applicants determine that the cited documents do not constitute "prior art" under

United States law, Applicants reserve the right to present to the Office the relevant facts

and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the

patentability of the disclosed invention over the listed documents, should one or more of

the documents be applied against the claims of the present application.

Applicants believe that no fees are is due in connection with the filing of this

Information Disclosure Statement. However, if any fee is due or overpayment made with

regard to this communication, the Commissioner is authorized to charge any such fee,

and to credit any overpayment, to our Deposit Account No. 02-4377. Two copies of this

communication are enclosed.

Respectfully submitted,

Rochelle K. Seide

Patent Office Reg. No. 32,300

Attorney for Applicants

(212) 408-2626

**Enclosures** 

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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

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T	Atty. Docket No. A34537-PCT-USA (072667.0175)	Serial No. 09/890,779	
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	Tolkunova EN, Fujoka M, Kobayashi M, Deka D, Jaynes JB (1998). Two distinct types of repression domain in
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26.	Dennehey BK, Petersen WL, Ford-Santino C, Pajeau M, Armstrong CL (1994). Comparison of selective agents for use with the selectable marker gene bar in maize transformation. Plant Cell Tissue and Organ Culture 36:1-7.
28.	Proc.

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<sup>\*</sup> Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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Atty. Docket No. A34537-PCT-USA (072667.0175)	Serial No. 09/890,779	
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•	30.	Kerstetter R, Vollbrecht E, Lowe B, Veit B, Yamaguchi J, Hake S (1994). Sequence analysis and expression patterns divide the maize <i>knotted1</i> -like homeobox genes into two classes. <i>Plant Cell</i> 6(12):1877-1887.
	31.	Lloyd AM, Schena M, Walbot V, Davis RW (1994). Epidermal cell fate determination in <i>Arabidopsis</i> : patterns defined by a steroid-inducible regulator. <i>Science</i> 266(5184):436-439.
	32.	Witzgall R, O'Leary E, Leaf A, Onaldi D, Bonventre JV (1994). The Kruppel-associated box-A (KRAB-A) domain of zinc finger proteins mediates transcriptional repression. <i>Proc Natl Acad Sci USA</i> 91(10):4514-4518.
	34.	Bechtold N, Ellis J, Pelletier G (1993). In planta Agrobacterium mediated gene transfer by infiltration of adult Arabidopsis thaliana plants. C.R. Acad Science 316:1194-1199.
	35.	Gaubier P, Raynal M, Hull G, Huestis GM, Grellet F, Arenas C, Pages M, Delseny M (1993). Two different Em-like genes are expressed in Arabidopsis thaliana seeds during maturation. Mol Gen Genet 238(3):409-418.
	36.	Han K, Manley JL (1993). Functional domains of the Drosophila Engrailed protein. EMBO J 12(7):2723-2733.
	37.	Liang P, Averboukh L, Pardee AB (1993). Distribution and cloning of eukaryotic mRNAs by means of differential display: refinements and optimization. <i>Nucleic Acids Res</i> 21(14):3269-3275.
	39.	Jack T, Brockman LL, Meyerowitz EM (1992). The homeotic gene APETALA3 of Arabidopsis thaliana encodes a MADS box and is expressed in petals and stamens. Cell 68(4):683-697.
	40.	Depigny-This D, Raynal M, Aspart L, Delseny M, Grellet F (1992). The cruciferin gene family in radisii. Flam Mol
<u></u>	42.	Binet M-N, Lepetit M, Weil J-H, Tessier L-H (1991). Analysis of a sunflower polyubiquitin promoter by transient expression. <i>Plant Science</i> 79:87-94.
	43.	Martin C, Prescott A, Mackay S, Bartlett J, Vrijlandt E (1991). Control of anthocyanin biosynthesis in flowers of Antirrhinum majus. <i>Plant J</i> 1(1):37-49.
	44.	McElroy D, Blowers AD, Jenes B, Wu R (1991). Construction of expression vectors based on the fice actin 1 (Acti)
	45.	Schena M, Lloyd AM, Davis RW (1991). A steroid-inducible gene expression system for plant cells. <i>Proc Natl Actual Sci.</i> 184 28(23):10421-10425
	48.	Reina M, Ponte I, Guillen P, Boronat A, Palau J (1990). Sequence analysis of a genomic clone encoding a Zc2 protein from Zea mays W64 A. Nucleic Acids Res 18(21):6426.
	49.	Schmidt RJ, Burr FA, Aukerman MJ, Burr B (1990). Maize regulatory gene opaque-2 encodes a protein with a "leucine-zipper" motif that binds to zein DNA. <i>Proc Natl Acad Sci USA</i> 87(1):46-50.
	51.	Anderson OD, Greene FC (1989). The characterization and comparative analysis of high-molecular-weight glutenin
	52.	Axelos M, Bardet C, Liboz T, Le Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1989). The gene family checoming the Van Thai A, Curie C, Lescure B (1980). The gene family checoming the Van Thai A, C
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Atty. Docket No. A34537-PCT-USA (072667.0175)	Serial No. 09/890,779
Applicant Werr	
Filing Date August 6, 2001	Group Art Unit Not Yet Assigned

54.	Vain P, Yean H, Flament P (1989). Enhancement of production and regeneration of embryogenic type II callus in Zea mays L. by AgNO <sub>3</sub> . Plant Cell Tissue and Organ Culture 18:143-151.	
55.	Vain P, Flament P, Soudain P (1989). Role of ethylene in enbryogenic callus initiation and regeneration in Zea mays L. Journal of Plant Physiology 135:537-540.	
56.	Sanford JC (1988). The biolistic process. Trends in Biotechnology 6:299-302.	
57.	Jouanin L, Vilaine F, Tourneur J, Tourneur C, Pautot V, Muller JF, Caboche M (1987). Transfer of a 4.3-kb fragment of the TL-DNA of Agrobacterium rhizogenes strain A4 confers the pRi transformed phenotype to regenerated tobacco plants. Plant Sci 53:53-63.	
58.	Kay R, Chan A, Daly, M, McPherson J (1987). Duplication of CaMV 35S promoter sequences creates a strong content of the plant genes. Science 236:1299-1302.	
59.	Kuhlemeier C, Green PJ, Chua N-H (1987). Regulation of gene expression in higher plants. Ann Rev Plant Physiol	
60.	Töpfer R, Matzeit V, Gronenborn B, Schell J, Steinbiss HH (1987). A set of plant expression vectors to transcriptional and translational fusions. <i>Nucleic Acids Res</i> 15(14):5890.	
61.	An G (1986). Development of plant promoter expression vectors and their use for analysis of differential activity of nopaline synthase promoter in transformed tobacco cells. <i>Plant Physiol</i> 81:86-91.	
62.	Fromm ME, Taylor LP, Walbot V (1986). Stable transformation of maize after gene transfer by electroporation.  Nature 319(6056):791-793.	
63.	Poole SJ, Kauvar LM, Drees B, Kornberg T (1985). The engrailed locus of Drosophila: structural analysis of an	
64.	Bevan M (1984). Binary Agrobacterium vectors for plant transformation. Nucleic Acids Res 12(22).8711-6721.	
65.	Depicker A, Stachel S, Dhaese P, Zambryski P, Goodman HM (1982). Nopaline synthase: transcript mapping and DNA sequence. J Mol Appl Genet 1(6):561-573.	
66.	Krens FA, Molendijk L, Wullems GJ, Schilperoort RA (1982). In vitro transformation of plant protoplasts with Ti plasmid DNA. Nature 296:72-74.	
67.	Nucleotide sequence of cauliflower mosaic virus DNA	

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